

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/659, 529 A
Source: IFW16
Date Processed by STIC: 12/22/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/659,529A

DATE: 12/22/2005

TIME: 11:37:51

Input Set : A:\375407US.txt

Output Set: N:\CRF4\12222005\J659529A.raw

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3 <110> APPLICANT: GRAHAM, RONALD J.
4     LEE, LINDA G.
5     NOBLE, RICHARD L.
6     SUN, HONGYE
8 <120> TITLE OF INVENTION: FLUORESCENT ENZYME ASSAY METHODS AND COMPOSITIONS
10 <130> FILE REFERENCE: 375461-007US
12 <140> CURRENT APPLICATION NUMBER: 10/659,529A
13 <141> CURRENT FILING DATE: 2003-09-09
15 <150> PRIOR APPLICATION NUMBER: 60/486,393
16 <151> PRIOR FILING DATE: 2003-07-10
18 <150> PRIOR APPLICATION NUMBER: 60/409,178
19 <151> PRIOR FILING DATE: 2002-09-09
21 <160> NUMBER OF SEQ ID NOS: 44
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 5
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
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31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
32     peptide
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35 <221> NAME/KEY: MOD_RES
36 <222> LOCATION: (3)
37 <223> OTHER INFORMATION: variable amino acid
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: (4)
42 <223> OTHER INFORMATION: Ser or Thr
44 <220> FEATURE:
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46 <222> LOCATION: (5)
47 <223> OTHER INFORMATION: hydrophobic amino acid
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51     1           5
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55 <211> LENGTH: 6
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
61     peptide

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63 <220> FEATURE:
 64 <221> NAME/KEY: MOD_RES
 65 <222> LOCATION: (2)..(3)
 66 <223> OTHER INFORMATION: variable amino acid
 68 <220> FEATURE:
 69 <221> NAME/KEY: MOD_RES
 70 <222> LOCATION: (4)
 71 <223> OTHER INFORMATION: Ser or Thr
 73 <400> SEQUENCE: 2

W--> 74 Arg Xaa Xaa Xaa Phe Phe

75 1 5
 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 4
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 85 peptide
 87 <220> FEATURE:
 88 <221> NAME/KEY: MOD_RES
 89 <222> LOCATION: (1)
 90 <223> OTHER INFORMATION: Ser or Thr
 92 <220> FEATURE:
 93 <221> NAME/KEY: MOD_RES
 94 <222> LOCATION: (3)
 95 <223> OTHER INFORMATION: variable amino acid
 97 <220> FEATURE:
 98 <221> NAME/KEY: MOD_RES
 99 <222> LOCATION: (4)
 100 <223> OTHER INFORMATION: Arg or Lys
 102 <400> SEQUENCE: 3

W--> 103 Xaa Pro Xaa Xaa

104 1
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 108 <211> LENGTH: 4
 109 <212> TYPE: PRT
 110 <213> ORGANISM: Artificial Sequence
 112 <220> FEATURE:
 113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 114 peptide
 116 <220> FEATURE:
 117 <221> NAME/KEY: MOD_RES
 118 <222> LOCATION: (2)
 119 <223> OTHER INFORMATION: variable amino acid
 121 <220> FEATURE:
 122 <221> NAME/KEY: MOD_RES
 123 <222> LOCATION: (3)
 124 <223> OTHER INFORMATION: Ser or Thr
 126 <400> SEQUENCE: 4

RAW SEQUENCE LISTING

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Input Set : A:\375407US.txt

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W--> 127 Pro Xaa Xaa Pro

128 1
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 132 <211> LENGTH: 9
 133 <212> TYPE: PRT
 134 <213> ORGANISM: Artificial Sequence
 136 <220> FEATURE:
 137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 138 peptide
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 141 Lys Lys Lys Lys Arg Phe Ser Phe Lys
 142 1 5
 145 <210> SEQ ID NO: 6
 146 <211> LENGTH: 8
 147 <212> TYPE: PRT
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 151 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 152 peptide
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 155 <221> NAME/KEY: MOD_RES
 156 <222> LOCATION: (1)
 157 <223> OTHER INFORMATION: variable amino acid
 159 <220> FEATURE:
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 162 <223> OTHER INFORMATION: variable amino acid
 164 <220> FEATURE:
 165 <221> NAME/KEY: MOD_RES
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 169 <220> FEATURE:
 170 <221> NAME/KEY: MOD_RES
 171 <222> LOCATION: (8)
 172 <223> OTHER INFORMATION: variable amino acid
 174 <400> SEQUENCE: 6

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176 1 5
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 182 <213> ORGANISM: Artificial Sequence
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 186 peptide
 188 <400> SEQUENCE: 7
 189 Leu Arg Arg Leu Ser Asp Ser Asn Phe
 190 1 5
 193 <210> SEQ ID NO: 8

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DATE: 12/22/2005

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Input Set : A:\375407US.txt

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195 <212> TYPE: PRT
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199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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204   1               5               10
207 <210> SEQ ID NO: 9
208 <211> LENGTH: 7
209 <212> TYPE: PRT
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212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214     peptide
216 <220> FEATURE:
217 <221> NAME/KEY: MOD_RES
218 <222> LOCATION: (5)
219 <223> OTHER INFORMATION: Glu or Gly
221 <220> FEATURE:
222 <221> NAME/KEY: MOD_RES
223 <222> LOCATION: (6)
224 <223> OTHER INFORMATION: variable amino acid
226 <400> SEQUENCE: 9
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228   1               5
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232 <211> LENGTH: 6
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238     peptide
240 <220> FEATURE:
241 <221> NAME/KEY: MOD_RES
242 <222> LOCATION: (5)
243 <223> OTHER INFORMATION: variable amino acid
245 <220> FEATURE:
246 <221> NAME/KEY: MOD_RES
247 <222> LOCATION: (6)
248 <223> OTHER INFORMATION: Ile or Val
250 <400> SEQUENCE: 10
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252   1               5
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 6
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence

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Input Set : A:\375407US.txt

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260 <220> FEATURE:
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262 peptide
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265 Ile Tyr Met Phe Phe Phe
266 1 5
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270 <211> LENGTH: 4
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272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276 peptide
278 <400> SEQUENCE: 12
279 Tyr Met Met Met
280 1
283 <210> SEQ ID NO: 13
284 <211> LENGTH: 5
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290 peptide
292 <400> SEQUENCE: 13
293 Glu Glu Glu Tyr Phe
294 1 5
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 7
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304 peptide
306 <400> SEQUENCE: 14
307 Leu Arg Arg Ala Ser Leu Gly
308 1 5
311 <210> SEQ ID NO: 15
312 <211> LENGTH: 7
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
318 peptide
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321 Arg Gln Gly Ser Phe Arg Ala
322 1 5
325 <210> SEQ ID NO: 16
326 <211> LENGTH: 12
327 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/659,529A

DATE: 12/22/2005
TIME: 11:37:52

Input Set : A:\375407US.txt
Output Set: N:\CRF4\12222005\J659529A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4,5
Seq#:2; Xaa Pos. 2,3,4
Seq#:3; Xaa Pos. 1,3,4
Seq#:4; Xaa Pos. 2,3
Seq#:6; Xaa Pos. 1,3,4,6,8
Seq#:9; Xaa Pos. 5,6
Seq#:10; Xaa Pos. 5,6

VERIFICATION SUMMARY

DATE: 12/22/2005

PATENT APPLICATION: US/10/659,529A

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Input Set : A:\375407US.txt

Output Set: N:\CRF4\12222005\J659529A.raw

L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0